

ANNUAL PREVENTIVE MAINTENANCE PROCEDURE

SYSTEM SERIAL #	SYSTEM MODEL:
LOCATION:	
SERVICE ENGINEER:	DATE:

Item	Maintenance Task	Completed
Coolant Reservoir	Drain coolant mixture. Remove basket and screen from reservoir. Wipe out reservoir with towel removing any stains. Flush reservoir with clear water to remove remaining sediments. Clean basket and screen. Drain system and refill with new coolant mixture.	
Refrigeration Condenser Filter	Replace air filter and clean air intake area on the side panel.	
Condensate Pan	Clean pan and inspect for damage.	
Roller Pump	Clean rollers, tubing path and raceway area with cloth slightly moistened with water. Dry components and apply light coating of Teflon spray on roller bearings. Inspect white guide rollers for wear and/or damage. Replace all four guide rollers if one or more are worn or damaged.	
Power Cord	Inspect for wear or damage.	
Check system for internal signs of leakage	Remove side panel and inspect Coolant Pump, Air Trap Block, Coolant Level Block, and surrounding areas for leakage.	
Tighten Screws and Bolts	Tighten screws and bolts on Top System Lid, Roller Pump Lid, Mast (Main Post) Assembly, Rear Brackets, Internal Components, Display Head and System Handle.	
Coldwell Lid Gasket	Replace Coldwell Lid Gasket.	
Temperature Probe Accuracy T1 Input Test	Connect TP-400 to T1 only .	
	Power on system, insert air trap fixture, and proceed through the following system set-up procedure. For systems with software Version 1.05 and lower: Select Pre-Cool, Icy (240), Override T2, set Target Temperature to 36.0° C, and select MAX Power mode. For systems with software Version 2.0 and higher: Select Pre-Cool, set Target Temperature to 36.0° C, and select MAX Power mode.	
	Continue through normal setup until system is in Standby Mode.	
	Set TP-400 to 30° C .	
	Verify the Patient Temperature display on the Control Head matches the 30°C set temperature of TP-400. Progress through patient temperature settings from 30°C to 40°C on the TP-400 verifying each temperature setting on the TP-400 matches the Patient Temperature reading on the Control Head display $\pm .1^{\circ}\text{C}$.	
Temperature Probe Accuracy T2 Input Test	Restart system and connect a TP-400 to both T1 and T2 , and proceed through the system set-up procedure described above with one exception: If software 1.05 or lower, you must select "Do not override T2" . Set both TP-400's to 36°C.	
	Place the system in the RUN mode. Change T2 TP-400 to 30°C. Verify the "Temp Probes do not Agree" alarm message. Press Mute button to silence alarm.	
Functional Test Procedure	Perform Functional Test Procedure TM-031 for systems with software version 1.05 and lower, or with TM-071 if 2.0 software and above. Record results on System Service Test Record Form-177 for TM-031, or Form-250 for TM-071.	
Electrical Safety Test	Perform Electrical Safety Test per Form -093. (Do not perform Hi-Pot test section unless applicable parts are replaced.)	

All tests passed and readings are within the specified limits: **Pass** _____ **Fail** _____

Service Engineer (signature) _____ Date _____